

NERT / NDEP / EPA BI-WEEKLY PROGRESS REPORTING

January 4, 2016
(877) 848-7030; Passcode 5921807

CRITICAL PATH ITEMS		
NERT	NDEP (BISC and BWPC)	AECOM
<ol style="list-style-type: none"> 1. Submittal of 60% weir design package to NDEP on 1/3/17. Expedited completion of "75%" design in progress as requested by CC. 2. Submittal of draft 2017 Trust budget. 	<ol style="list-style-type: none"> 1. US BOR access limited to geotechnical evaluation expected any day. US BOR access for full implementation required by 3/1/17 to achieve 8/1/17 system readiness. 2. Awaiting comments from BWPC on weir dewatering treatment NPDES application submitted on 12/28/16. 	

GWETS STATUS		
GW-11	EBR	LIFT STATIONS / WELL FIELDS
<ul style="list-style-type: none"> • Offline (EQ) • Volume 42.88 MG; W/W + ~0.33 MG 	<ul style="list-style-type: none"> • Condition normal. 	<ul style="list-style-type: none"> • All Lift Stations operating normal. • Preparation to implement LS#2 Corrective Action Plan.

NERT REMEDIAL INVESTIGATION STATUS			
TASK *	CURRENT STATUS	UP-NEXT	SCHEDULE
Community Involvement	Revision of CIP for Phase 3 in progress.	Submittal of CIP to NDEP; Preparation and transmittal of mailing and scheduling of meeting.	Wk 10/12 60%
RI Phase 2 Access Agreements	Identification of access requirements in progress.	Communication with the various entities.	Ongoing
Soils / Groundwater Investigation	Phase 2 RI mobilization in progress.	Phase 2 RI field investigation implementation.	Wk 5/46 5%
Soils Investigation (Unit 4/5)	68 borings have been completed; Groundwater well installed north of Unit 4 will be sampled on 1/3/17.	Completion of 2 nd Mobilization; Receipt of analytical and preparation of reporting.	Wk 27/35 ¹ 80%
Treatability Study : Flushing	Preparation of Treatability study results report in progress.	Report submittal in January.	Wk 29/24 90%
GW Modeling – Phase 5	Phase 5 model submitted on 11/16/16 and under NDEP review.	Review of NDEP comments on Phase 5 model (when received); Scheduling of roundtable meeting w/ Stakeholders.	TBD
Source ID : Chloroform	On hold - awaiting data from unit building and RI Phase 2 investigations.	-	-
Operations Area Baseline HRA	Met with NDEP on 12/19/16 to discuss comments and agree on path forward. Review of Broadbent meeting summary underway.	Revise COPC/EU Report in accordance with comments once concurrence on meeting summary is obtained.	TBD
RI Work Plan Amend. : SWF GWB Treatability Study	All access matters resolved; Preparing for mobilization and finalizing revised project scheduling.	Field work to begin mid-January.	TBD
RI Work Plan Amend. : IWF In-Situ Treatability Study (Cr)	Well installation complete; Baseline sampling being scheduled.	Conduct baseline sampling; Begin injections.	Wk 11/55 20%

¹ Project schedule through submittal of the 2nd Mobilization Sampling Tech Memo.

* **BOLD** items indicate change in task status

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TASK *	NERT REMEDIAL INVESTIGATION STATUS		
	CURRENT STATUS	UP-NEXT	SCHEDULE
RI Work Plan Amend. : Soil Flushing Pilot (CRB)	Submittal in 2017.	-	TBD
RI Work Plan Amend. : TDS Impacts in UMCf	Preparation of work plan in progress.	Submittal of work plan as RI addendum.	Wk 37/38 75%
RI Work Plan Amend. : TDS Impacts on Remediation and GWETS	Preparation of work plan in progress.	Schedule January meeting w/ NDEP to discuss project work plan prior to submittal.	Wk 22/12 90%
Eastside (Common Area) Investigation Work Plan	Incorporation of BRC data into database and work plan preparation.	NERT to meet w/ NDEP/EPA to discuss RAOs prior to WP submittal.	Wk 9/16 30%

TASK *	NDEP DOWNGRADE INVESTIGATION STATUS		
	CURRENT STATUS	UP-NEXT	SCHEDULE
AECOM TASK 130 General WP Documents	All documentation for the initial phase of the investigation have been finalized	Submittal of Work Plan for the next data collection effort (see Task 170). HASP and QAPP updates as needed.	See Task 170
AECOM TASK 131 EA for LVW/BOR Area	AECOM to submit SF-299s to BOR for each phase of invasive work based on exact locations of proposed borings and wells. Submitted revised schedule (including BOR SF-299 approval times) to NERT on 12/28/16.	AECOM to submit SF-299 for 4 confirmation borings for geophysics pilot test to BOR by 1/4/17.	Wk 23/105 25%
AECOM TASK 151 SW Investigation Plan	Issued Final SWIP on 12/27/16.	Staff gage installation 1/23 – 1/27; Transect sampling 1/30 – 2/3; Discreet grab sampling 2/6 – 2/10.	Wk 22/48 30%
AECOM TASK 160 Geophysical Pilot Test Plan	AECOM completed non-invasive work and reviewed data with UNLV expert (Barbara Luke).	Select 4 confirmation boring locations and submit SF-299 application (see Task 131) by 1/4/17.	Wk 52/72 60%
AECOM TASK 170 GW Investigation	Final Transducer Installation Plan submitted on 12/27/16.	Submittal of Preliminary Draft Phase 1 GW Well Installation Plan to NDEP by 1/8/17.	Wk 14/67 10%

TASK *	GWETS / COP PROJECTS		
	CURRENT STATUS	UP-NEXT	SCHEDULE
ETI Work Authorizations / Amendments	<u>In Negotiation</u> <ul style="list-style-type: none"> Secondary containment upgrades IWF data capture updates IWF VFD upgrades GW sampling amendments AP-5 Treatment amendment 	-	ONGOING
AP-5 Solids Removal	Removal of abandoned infrastructure 90% complete; 40+ unanticipated items discovered to date. Removal of remaining items planned once pond is dry. Double walled containment piping installed; Slurring and transfer of material underway. ~650K gallons of slurry pumped (~35%).	Completion of mixing/transfer of AP-5 material and removal of abandoned infrastructure.	Wk 50/52 ² 70%

² Possible project schedule delay due double walled pipe.

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GWETS / COP PROJECTS			
TASK *	CURRENT STATUS	UP-NEXT	SCHEDULE
GWETS/NET	NERT continuing negotiations with UPRR; Finalization of web site in progress.	Distribution of login credentials for agency rollout.	December 2016
Pipeline Flow Evaluation	NDEP approval on project received 8/18. Initial implementation costs inclusive to 2017 budget.	Work to begin upon approval of 2017 budget.	TBD
Pipeline Easements	Title search complete. Approx. 75% of pipeline appears to have significant easement issues.	NERT to determine strategy and budget for continuation of the project.	70%
Water Management Plan	NERT determining multi-year strategy for GW-11 replacement, AP-5 treatment and continued implementation of the COP.	NERT to present strategy to NDEP/EPA.	January
<u>IX Installation</u>	IX delivered and installed. Shakedown completed 12/30/16 and performance samples collected. Contractors completing punch list items. Preparation of initial direction in progress.	Commence operation of treatment system.	Wk 22/21 90%
<u>AP Area Soil Flushing Treatability Study</u>	Project implementation in progress. In excess of 2500 lbs. of ClO4 removed from environment.	Completion of flushing plots. <i>Overall project progress to be reported during COP meetings.</i>	Wk 11/54 20%
Minor Source Air Permit Renewal	Submittal of package to Clark County DAQ 9/21; Submitted initial RTC on 11/16/16. Received additional comment 12/28/16.	Preparation of 12/28 RTC in progress.	-

OTHER ENVIRONMENTAL PROJECTS			
TASK *	CURRENT STATUS	UP-NEXT	SCHEDULE
Perchlorate Migration to TIMET	EE/CA path to resume.	Finalization of project scope, schedule and budget.	TBD
Stormwater Conveyance Modification / East-side Grading	All on-site effort is complete. Project documentation and TIMET report preparation in progress.	Submittal of documentation to TIMET.	Wk 52/36 90%
NERT HASP	HASP is completed. Finalization of Contractor Safety Program in progress.	-	Wk 50/31 99%
<u>Parcels Risk Assessment</u>	Met with NDEP on 12/19/16 to discuss comments and agree on path forward. Review of Broadbent meeting summary underway.	Revision of Soil Gas HRA based on receipt of Final Comments and agreements in 12/19/16 meeting. Revisions to Soil HRA following receipt of input from NDEP on Parcel H rad data and Parcel H DVSR letter.	Dep. on NDEP data review
Parcel C Soil removal	Completed evaluation of analytical results to define extent of contamination. Coordination of access routes with Tronox in progress.	Soil removal anticipated in January 2017.	Wk 20/30 30%
<u>SMP, Revision 3</u>	SMP revisions submitted to NDEP on 12/28/2016.	Address any NDEP comments on SMP Revisions, Revision 3.	Wk 12/12 95%

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NDEP ORDER : SNWA WEIRS GROUNDWATER TREATMENT			
TASK *	CURRENT STATUS	UP-NEXT	SCHEDULE
EE/CA	No public comment received. Trust provided NDEP draft Action Memorandum on 12/20.	NDEP to provide comment on draft Action Memorandum.	Ongoing
Land Access : BOR	Streamlined 7-2540 form submitted to NDEP which was forwarded to BOR for completion of initial geotechnical/baseline sampling.	Expect formal approval for the limited scope any day.	ASAP
Land Access : CC	NERT met w/ Clark County on 12/13/16 and verified the permitting strategy. Land use permitting has been waived.	NERT to prepare and submit the following design packages: <ul style="list-style-type: none"> Sunrise Mountain Pump Station Design Historical Lateral Pump Station Design Pipeline Design 	ASAP
Treatment System Design	Submittal of 60% design package to BOR 1/3/17. Preparation of "75%" package underway as requested by CC.		ASAP
Treatment System Procurement	Long-lead equipment ordering in-progress.	NERT to submit monthly progress reporting beginning in January.	Ongoing

TRUST ADMINISTRATION			
TASK *	CURRENT STATUS	UP-NEXT	SCHEDULE
Budget Status	Written approval received for 2016-02.	Submittal of 2017 budget.	Ongoing
Stakeholder Relations	Preparing minutes for distribution; Awaiting feedback from Stakeholders.	Technical meeting in early 2017. Next quarterly call: TBD. Annual meeting scheduled for March 29-30	Ongoing
Tronox LTCA Projects	14 active projects; 1 projects approval pending.	Invoice 105 to be submitted.	Ongoing
BWC / BEC Negotiations	<u>Completed</u> <ul style="list-style-type: none"> SLMW perpetual access agreement Seep Bio TS access agreement Weir (2-year) access agreement 	<u>To Be Discussed</u> <ul style="list-style-type: none"> LS#2 easement amendment RI Phase 2 access agreement Corrective easements for pipelines 	Ongoing
Tronox SLMW Delivery Infrastructure and Charges	Tronox 15 business day review period complete for meter installation project; NERT determining costs for "upper loop" repair. Three meters installed.	NERT to install two additional meters and engage Tronox re: "upper loop" repairs.	Ongoing
Chlorine Line	Ongoing negotiation with all parties.	NERT to discuss with NDEP when appropriate.	Ongoing
BMI Complex Sanitary	NDEP awaiting status report from BMI.		Ongoing
4 th Street Paving	NERT performed minor repairs; awaiting additional information from BMI.		Ongoing
Sale of Parcel E (+ Western Slice)	Henderson GW, LLC will be seeking an easement instead of a purchase.	NERT to negotiate easement terms and present to NDEP.	Ongoing
Perchlorate Reimbursement	Awaiting NDEP / USEPA comment on draft 2015 claim.	Submittal of 2015 claim.	Ongoing

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TRUST ADMINISTRATION			
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AIG Claims	Jan-Apr 2016 submitted 9/12. May – June 2016 submitted 12/5.		Ongoing
Tronox Escrow	NERT to resolve when appropriate.		TBD
Financial Reporting	November report distributed; Awaiting data to prepare December report.	Distribution of December report.	Ongoing
Tronox Lease Matters (Confidential)	Next steps to be outlined in 2017 budget submittal.		

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